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College of Science and Mathematics Annual Report 2014-2015

College of Science and Mathematics

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THE COLLEGE OF
SCIENCE+MATHEMATICS



2014-15

This annual report is a summary of our accomplishments as scientists, mathematicians and educators, and we appreciate your interest in sharing in our success. Note that most of the student information reflects the 2014-15 academic year while other information is based on the calendar year 2015.

Our mission is:

Creating passion for Science and Mathematics through evidence-based discovery, advancing knowledge of the natural world.

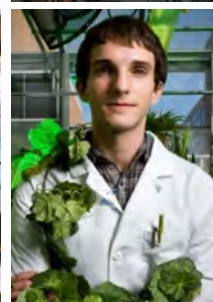
CoSM strives to achieve it's mission through seven core strategies:

- A. Enhance core capabilities for a research platform
- B. Expand interdisciplinary capabilities to solve complex world problems
- C. Strengthen graduate education
- D. Position the college as a regional research and education partner of choice
- E. Exercise national leadership in the science of teaching and learning
- F. Continue to improve undergraduate student success
- G. Develop and expand relationships with our alumni

We hope you will enjoy reading about our activities.

Sincerely,

The College of Science & Mathematics



Enhance Core Capabilities for a Research Platform

In positioning Wright State University (WSU) as a nationally competitive research institution, we are strengthening our core capabilities to develop a research platform that allows us to showcase our facilities, equipment, technical support, and human intellectual capital.

Research Funding,
Comprehensive Depts.

5.1 million

Research Funding
Matrix Depts.

4.4 million

Full-Time
Faculty

142

2015 CoSM Faculty Reporting

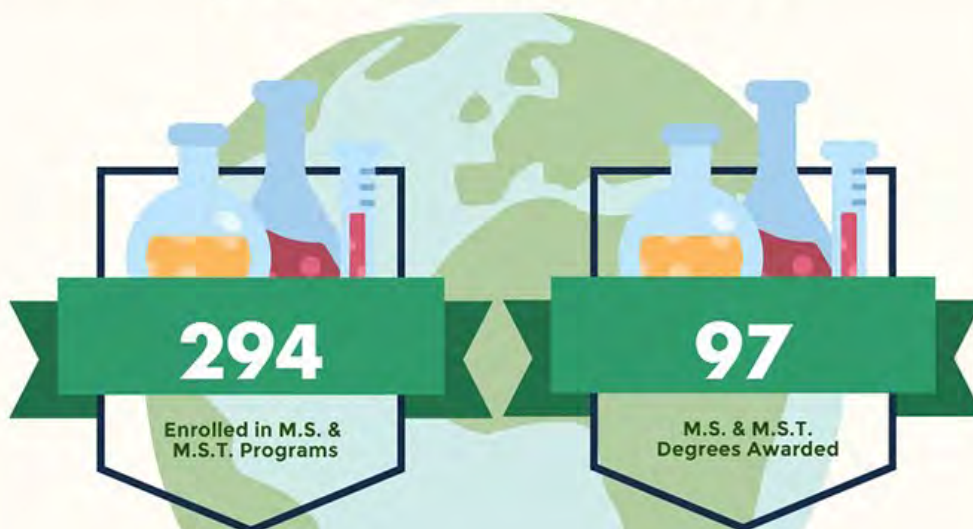
Research Funding (Comprehensive Departments)	2010	2011	2012	2013	2014	2015
Grants funded	112	121	107	94	93	65
Dollars awarded (millions)	9.0	7.6	7.3	5.9	6.2	5.1

Research Funding (Matrix Departments)	2010	2011	2012	2013	2014	2015
Grants funded	25	21	14	19	18	20
Dollars awarded (millions)	3.5	3.7	2.4	3.5	3.3	4.4

Full-Time Faculty (FTE)	Fall 2009	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014
Professors	52.9	52.6	52.1	49.7	54.8	52.4
Associate Professors	48.8	48.1	47.6	47.6	45.6	44.3
Assistant Professors	23.7	26.3	26.3	24.4	21.3	27.5
Instructors and Lecturers	22.5	25	25	16.3	19	18
Total Faculty	147.9	152	151	138	140.7	142.2

Strengthen Graduate Education

Our graduate programs attract top faculty and outstanding students. Through their scholarly research and meaningful community relationships we are making a positive regional impact.



Enrollment in Ph.D. Programs



16 Ph.D. degrees awarded in 2015



Expand Interdisciplinary Capabilities to Solve Complex World Problems

Our Ph.D. programs have an interdisciplinary base with faculty across many departments



Faculty members give >300 presentations and invited lectures annually



As our world becomes increasingly complex, its problems will require solutions that involve interdisciplinary teams with innovative approaches.



294 Enrolled in M.S. Programs in 2015

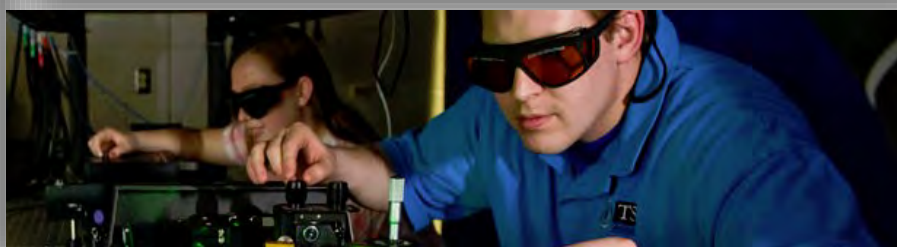
Enrollment in M.S. Programs	Fall 2010	Fall 2011	Fall 2012	Fall 2013	Fall 2014	Fall 2015
Biochemistry & Molecular Biology, M.S.	12	12	6	9	13	19
Biological Sciences, M.S.	27	42	35	37	34	36
Chemistry, M.S.	36	31	33	31	28	30
Earth & Environmental Science (with Geological sciences) M.S.	27	29	33	31	26	26
Mathematics, Applied Math, Applied Statistics, M.S.	29	32	35	43	54	40
Microbiology & Immunology, M.S.	19	26	27	40	39	35
Physiology & Neuroscience, Anatomy, MS	53	58	66	66	61	62
Physics, M.S.	18	17	14	15	20	24
Human Factors / Ind Psych, M.S.	7	27	2	2	1	3
Total M.S.T.	27	19	20	18	19	19
Total	255	293	271	288	294	294

We are strengthening undergraduate student success through general education, student-centered faculty, research opportunities, the advising process, student-support programming, and the recruitment of top undergraduate students. We are creating an environment of innovation and growing potential for over 1,970 currently enrolled undergraduate student.

Undergraduate Enrollment By Program	Fall 2011	Fall 2012*	Fall 2013	Fall 2014	Fall 2015
Biological Sciences	746	797	749	702	725
Chemistry	181	169	144	128	118
Clinical Laboratory Science	74	68	68	60	70
Earth and Environmental Science	114	112	118	108	129
Integrated Science	11	7	2	1	1
Mathematics and Statistics	131	103	106	120	80
Physics	29	48	58	56	63
Psychology	834	770	712	660	653
Undeclared Science & Mathematics / Post Baccalaureate	189	117	107	94	115
Total Enrollment	2309	2197	2054	1913	1970

Fall 2015 Student Fact Book





Undergraduate Degrees by Program (BS and BA)	2010- 11	2011- 12*	2012- 13	2013- 14	2014- 15
Biological Sciences	101	125	123	118	105
Chemistry	14	33	28	15	28
Clinical Laboratory Science	5	11	10	11	7
Earth & Environmental Science	13	24	20	17	18
Environmental Science (Health)	-	3	2	1	-
Mathematics and Statistics	13	29	17	26	17
Physics	2	6	3	5	7
Psychology	175	181	192	172	179
Total Degrees Awarded	362	417	394	365	361

Fall 2015 Student Fact Book

We are preparing 21st century leaders.

**The College of Science and Mathematics
is a regional research and educational partner of choice.
We are establishing a strong presence in the community by
participating in various applied educational- and
research-based economic initiatives with Wright
Patterson Air Force Base, the Air Force
Research Laboratory, industry, medicine, and the local economic
development community.
We exercise national leadership in the science of
teaching and learning, responding to society's
need for mathematics and science literacy and a
globally competitive workforce.**

**Wright State University
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